

## PUBLIC WORKS SYSTEMS TECHNICIAN

<b>RESOURCE CATEGORY</b>	Public Works
<b>RESOURCE KIND</b>	Personnel
<b>OVERALL FUNCTION</b>	The Public Works Systems Technician operates, maintains and troubleshoots various types of control systems.
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. This position can be ordered as a single resource.</li> <li>2. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation and meals, prior to deployment.</li> <li>3. Requestor specifies necessary systems, specialties and certifications, such as Certified Automation Professional (CAP) or Certified Control Systems Technician (CCST), based on incident needs.</li> </ol>

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	SINGLE TYPE	NOTES
<b>DESCRIPTION</b>	The Public Works Systems Technician provides technical support for systems such as: <ol style="list-style-type: none"> <li>1. Energy management control systems</li> <li>2. Utility control systems</li> <li>3. Supervisory Control and Data Acquisition (SCADA) systems</li> <li>4. Heating, ventilation and air conditioning (HVAC) building automation controls</li> <li>5. Traffic management systems</li> </ol>	Not Specified
<b>EDUCATION</b>	Not Specified	Not Specified
<b>TRAINING</b>	Completion of the following: <ol style="list-style-type: none"> <li>1. IS-100: Introduction to the Incident Command System, ICS-100</li> <li>2. IS-200: Basic Incident Command System for Initial Response, ICS-200</li> <li>3. IS-700: National Incident Management System, An Introduction</li> <li>4. IS-800: National Response Framework, An Introduction</li> </ol>	Not Specified
<b>EXPERIENCE</b>	Two years of recent experience in operating, maintaining and troubleshooting various types of control systems	Not Specified
<b>PHYSICAL/MEDICAL FITNESS</b>	<ol style="list-style-type: none"> <li>1. Moderate</li> <li>2. Is able to work while wearing appropriate Personal Protective Equipment (PPE)</li> </ol>	<ol style="list-style-type: none"> <li>1. National Incident Management System (NIMS) Guideline for the National Qualification System (NQS) defines physical/medical fitness levels for NIMS positions.</li> <li>2. PPE is mission specific and may vary by work environment; it includes hard hats, safety-toe boots, reflective vests, eye and ear protection, respirators, gloves and masks.</li> </ol>
<b>CURRENCY</b>	Currently works in this position in a municipal, county, state, tribal or territorial public works department	Not Specified



Position Qualification for Infrastructure Systems  
Public Works

COMPONENT	SINGLE TYPE	NOTES
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	License or certification in accordance with applicable regulations, based on incident needs	Not Specified



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## NOTES

Nationally typed resources represent the minimum criteria for the associated category.

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## REFERENCES

1. FEMA, National Incident Management System (NIMS), October 2017
2. FEMA, NIMS Guideline for the National Qualification System (NQS), November 2017
3. FEMA, National Response Framework, October 2019